

Sequence identity list

SEQUENCE LISTINGCOMMON FOR ALL SEQUENCES.

SEQUENCE TYPE: Peptide

SEQUENCE UNIT: Amino Acid

TOPOLOGY: Linear

SEQUENCE ID NO: 1

SEQUENCE LENGTH: 18 amino acids

R H P S W P W T R C L R M R P P R S

1 5 10 15

SEQUENCE ID NO: 2

SEQUENCE LENGTH: 31 amino acids

G T R A G P G P G A S G C V H Q E A E R V S Q A H R G R T G

1 5 10 15 20 25 30

Q

SEQUENCE ID NO: 3

SEQUENCE LENGTH: 32 amino acids

G G T R A G P G P G A S G C V H Q E A E R V S Q A H R G R T

1 5 10 15 20 25 30

G Q

SEQUENCE ID NO: 4

SEQUENCE LENGTH: 19 amino acids

G R H P S W P W T R C L R M R P P R S

1 5 10 15

PCT/NO99/00143

2

SEQUENCE ID NO: 5

SEQUENCE LENGTH: 28 amino acids

I Q D R A G R M G G R H P S W P W T R C L R M R P P R S
1 5 10 15 20 25

SEQUENCE ID NO: 6

SEQUENCE LENGTH: 19 amino acids

I Q D R A G R M G G G R H P S W P W T
1 5 10 15

SEQUENCE ID NO: 7

SEQUENCE LENGTH: 42 amino acids

I Q D R A G R M G G G G T R A G P G P G A S G C V H Q E A E
1 5 10 15 20 25 30
R V S Q A H R G R T G Q
 35 40

SEQUENCE ID NO: 8

SEQUENCE LENGTH: 19 amino acids

I Q D R A G R M G G G T R A G P G P G
1 5 10 15

SEQUENCE ID NO: 9

SEQUENCE LENGTH: 22 amino acids

I Q D R A G R M G G R H P S W P W T R C L R
1 5 10 15 20

SEQUENCE ID NO: 10

SEQUENCE LENGTH: 22 amino acids

A S G C V H Q E A E R V S Q A H R G R T G Q
1 5 10 15 20

SEQUENCE ID NO: 11

SEQUENCE LENGTH: 22 amino acids

G G T R A G P G P G A S G C V H Q E A E R V
1 5 10 15 20

PCT/NO99/00143

SEQUENCE LENGTH: 22 amino acids

1 5 10 15 20

SEQUENCE LENGTH: 34 amino acids

1 5 10 15 20 25 30

SEQUENCE LENGTH: 44 amino acids

1 5 10 15 20 25 30

SEQUENCE LENGTH: 19 amino acids

1 5 10 15

SEQUENCE LENGTH: 23 amino acids

1 5 10 15 20

SEQUENCE LENGTH: 23 amino acids

1 5 10 15 20

The diagram illustrates the experimental setup. A subject is seated at a table, looking at a video screen. A video camera is positioned above the screen to record the subject's response. A light source is positioned to the left of the screen to illuminate the stimulus. The subject's hand is positioned near the screen, ready to respond to the visual feedback.

SEQUENCE ID NO: 18 4

SEQUENCE LENGTH: 22 amino acids

S P K C I M K E K K S L V R L S S C V P V A

1 5 10 15 20

SEQUENCE ID NO: 19
SEQUENCE LENGTH: 12 amino acids
S P K C I M K E K K A W
1 5 10

SEQUENCE ID NO: 20
SEQUENCE LENGTH: 12 amino acids
P K C I M K E K K K A W
1 5 10

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SEQUENCE ID NO: 21
SEQUENCE LENGTH: 19 amino acids
A M T T S S S Q K N I T P A I L T C C
1           5           10          15

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SEQUENCE ID NO: 22
SEQUENCE LENGTH: 9 amino acids
T V G R P H I S C
1 5

SEQUENCE ID NO: 23
SEQUENCE LENGTH: 10 amino acids
K T V G R P H I S C
1 5 10

SEQUENCE ID NO: 24
SEQUENCE LENGTH: 18 amino acids
K Q W E D P T S P A N V I A L L Q T
1 5 10 15

SEQUENCE ID NO: 25

SEQUENCE LENGTH: 17 amino acids

Q W E D P T S P A N V I A L L Q T
1 5 10 15

SEQUENCE ID NO: 26

SEQUENCE LENGTH: 19 amino acids

Q K T I K S T R K K T V G R P H I S C
1 5 10 15

SEQUENCE ID NO: 27

SEQUENCE LENGTH: 20 amino acids

Q K T I K S T R K K K T V G R P H I S C
1 5 10 15 20

SEQUENCE ID NO: 28

SEQUENCE LENGTH: 28 amino acids

Q K T I K S T R K K K Q W E D P T S P A N V I A L L Q T
1 5 10 15 20 25

SEQUENCE ID NO: 29

SEQUENCE LENGTH: 27 amino acids

Q K T I K S T R K K Q W E D P T S P A N V I A L L Q T
1 5 10 15 20 25

SEQUENCE ID NO: 30

SEQUENCE LENGTH: 34 amino acids

A A D L Q Q Q F V H F L D C W D V S S I P F T L H L P Q A Q
1 5 10 15 20 25 30
D I T T

SEQUENCE ID NO: 31

SEQUENCE LENGTH: 9 amino acids

G K D A K E K S S
1 5

P010990-24612900

SEQUENCE ID NO: 32

SEQUENCE LENGTH: 10 amino acids

G K D A K E K K S S
1 5 10

SEQUENCE ID NO: 33

SEQUENCE LENGTH: 42 amino acids

G K D A K E K K A A D L Q Q Q F V H F L D C W D V S S I P F
1 5 10 15 20 25 30
T L H L P Q A Q D I T T
 35 40

SEQUENCE ID NO: 34

SEQUENCE LENGTH: 41 amino acids

G K D A K E K A A D L Q Q Q F V H F L D C W D V S S I P F T
1 5 10 15 20 25 30
L H L P Q A Q D I T T
 35 40

SEQUENCE ID NO: 35

SEQUENCE LENGTH: 9 amino acids

F S M K Q T L M N V K N L K T K
1 5 10 15

SEQUENCE ID NO: 36

SEQUENCE LENGTH: 17 amino acids

K F S M K Q T L M N V K N L K T K
1 5 10 15

SEQUENCE ID NO: 37

SEQUENCE LENGTH: 25 amino acids

V R T S K T R K K F S M K Q T L M N V K N L K T K
1 5 10 15 20 25

PCT/NO99/00143

SEQUENCE ID NO: 38

SEQUENCE LENGTH: 26 amino acids

V R T S K T R K K K F S M K Q T L M N V K N L K T K
1 5 10 15 20 25

SEQUENCE ID NO: 39

SEQUENCE LENGTH: 12 amino acids

V R T S K T R K K N F P
1 5 10

SEQUENCE ID NO: 40

SEQUENCE LENGTH: 11 amino acids

V R T S K T R K N F P
1 5 10

SEQUENCE ID NO: 41

SEQUENCE LENGTH: 10 amino acids

I K K K L L Q F Q K
1 5 10

SEQUENCE ID NO: 42

SEQUENCE LENGTH: 11 amino acids

K I K K K L L Q F Q K
1 5 10

SEQUENCE ID NO: 43

SEQUENCE LENGTH: 17 amino acids

K S R R N Y F N F K N N C Q S R L
1 5 10 15

SEQUENCE ID NO: 44

SEQUENCE LENGTH: 16 amino acids

S R R N Y F N F K N N C Q S R L
1 5 10 15

F070907-22642550

SEQUENCE LENGTH: 18 amino acids

T N L R V I Q K I K K K L L Q F Q K
1 5 10 15

SEQUENCE LENGTH: 19 amino acids

T N L R V I Q K K I K K K L L Q F Q K
1 5 10 15

SEQUENCE LENGTH: 25 amino acids

T N L R V I Q K K S R R N Y F N F K N N C Q S R L
1 5 10 15 20 25

SEQUENCE LENGTH: 24 amino acids

T N L R V I Q K S R R N Y F N F K N N C Q S R L
1 5 10 15 20

SEQUENCE LENGTH: 5 amino acids

K I M I T
1 5

SEQUENCE LENGTH: 12 amino acids

N I D K I P E K I M I T
1 5 10

SEQUENCE LENGTH: 13 amino acids

N I D K I P E K K I M I T
1 5 10

SEQUENCE ID NO: 52

SEQUENCE LENGTH: 5 amino acids

I I N A N

1 5

SEQUENCE ID NO: 53

SEQUENCE LENGTH: 6 amino acids

K I I N A N

1 5

SEQUENCE ID NO: 54

SEQUENCE LENGTH: 13 amino acids

N D K T V S E K I I N A N

1 5 10

SEQUENCE ID NO: 55

SEQUENCE LENGTH: 14 amino acids

N D K T V S E K K I I N A N

1 5 10

SEQUENCE ID NO: 56

SEQUENCE LENGTH: 14 amino acids

N G L E K E Y L M V N Q K E

1 5 10

SEQUENCE ID NO: 57

SEQUENCE LENGTH: 23 amino acids

S Q T S L L E A K N G L E K E Y L M V N Q K E

1 5 10 15 20

SEQUENCE ID NO: 58

SEQUENCE LENGTH: 24 amino acids

S Q T S L L E A K K N G L E K E Y L M V N Q K E

1 5 10 15 20

E010300-24674320

10

SEQUENCE ID NO: 59

SEQUENCE LENGTH: 12 amino acids

S Q T S L L E A K K M A

1 5 10

SEQUENCE ID NO: 60

SEQUENCE LENGTH: 11 amino acids

S Q T S L L E A K M A

1 5 10

SEQUENCE ID NO: 61

SEQUENCE LENGTH: 6 amino acids

T L V F P K

1 5

SEQUENCE ID NO: 62

SEQUENCE LENGTH: 7 amino acids

K T L V F P K

1 5

SEQUENCE ID NO: 63

SEQUENCE LENGTH: 14 amino acids

L K N V E D Q K T L V F P K

1 5 10

SEQUENCE ID NO: 64

SEQUENCE LENGTH: 15 amino acids

L K N V E D Q K K T L V F P K

1 5 10 15

SEQUENCE ID NO: 65

SEQUENCE LENGTH: 10 amino acids

L K N V E D Q K K H

1 5 10

T01099-22672500

11

SEQUENCE ID NO: 66

SEQUENCE LENGTH: 9 amino acids

L K N V E D Q K H

1 5

SEQUENCE ID NO: 67

SEQUENCE LENGTH: 6 amino acids

K K I Q L Y

1 5

SEQUENCE ID NO: 68

SEQUENCE LENGTH: 7 amino acids

K K K I Q L Y

1 5

SEQUENCE ID NO: 69

SEQUENCE LENGTH: 36 amino acids

R K R F S Y T E Y L A S I I R F I F S V N R R K E I Q N L S
1 5 10 15 20 25 30
S C N F K I
35

SEQUENCE ID NO: 70

SEQUENCE LENGTH: 15 amino acids

L R I V S Y S K K K K I Q L Y

1 5 10 15

SEQUENCE ID NO: 71

SEQUENCE LENGTH: 16 amino acids

L R I V S Y S K K K K K I Q L Y

1 5 10 15

PCT/NO99/00143

12

SEQUENCE ID NO: 72

SEQUENCE LENGTH: 45 amino acids

L R I V S Y S K K R K R F S Y T E Y L A S I I R F I F S V N
1 5 10 15 20 25 30
R R K E I Q N L S S C N F K I
 35 40 45

SEQUENCE ID NO: 73

SEQUENCE LENGTH: 44 amino acids

L R I V S Y S K R K R F S Y T E Y L A S I I R F I F S V N R
1 5 10 15 20 25
 30
R K E I Q N L S S C N F K I
 35 40

SEQUENCE ID NO: 74

SEQUENCE LENGTH: 18 amino acids

Q D L P L S S I C Q T I V T I Y W Q
1 5 10 15

SEQUENCE ID NO: 75

SEQUENCE LENGTH: 19 amino acids

K Q D L P L S S I C Q T I V T I Y W Q
1 5 10 15

SEQUENCE ID NO: 76

SEQUENCE LENGTH: 25 amino acids

N R T C P F R L F V R R M L Q F T G N K V L D R P
1 5 10 15 20 25

SEQUENCE ID NO: 77

SEQUENCE LENGTH: 27 amino acids

G F V V S V V K K Q D L P L S S I C Q T I V T I Y W Q
1 5 10 15 20 25

PCT/NO99/00143

13

SEQUENCE ID NO: 78

SEQUENCE LENGTH: 28 amino acids

G F V V S V V K K K Q D L P L S S I C Q T I V T I Y W Q
1 5 10 15 20 25

SEQUENCE ID NO: 79

SEQUENCE LENGTH: 34 amino acids

G F V V S V V K K N R T C P F R L F V R R M L Q F T G N K V
1 5 10 15 20 25 30
L D R P

SEQUENCE ID NO: 80

SEQUENCE LENGTH: 33 amino acids

G F V V S V V K N R T C P F R L F V R R M L Q F T G N K V L
1 5 10 15 20 25 30
D R P

SEQUENCE ID NO: 81

SEQUENCE LENGTH: 8 amino acids

Y R K T K N Q N
1 5

SEQUENCE ID NO: 82

SEQUENCE LENGTH: 9 amino acids

K Y R K T K N Q N
1 5

SEQUENCE ID NO: 83

SEQUENCE LENGTH: 10 amino acids

N T E R P K I R T N
1 5 10

SEQUENCE ID NO: 84

SEQUENCE LENGTH: 17 amino acids

D E T F Y K G K K Y R K T K N Q N
1 5 10 15

P01099-22012500

14

SEQUENCE ID NO: 85

SEQUENCE LENGTH: 18 amino acids

D E T F Y K G K K K Y R K T K N Q N
1 5 10 15

SEQUENCE ID NO: 86

SEQUENCE LENGTH: 19 amino acids

D E T F Y K G K K N T E R P K I R T N
1 5 10 15

SEQUENCE ID NO: 87

SEQUENCE LENGTH: 18 amino acids

D E T F Y K G K N T E R P K I R T N
1 5 10 15

SEQUENCE ID NO: 88

SEQUENCE LENGTH: 28 amino acids

L S I N N Y R F Q M K F Y F R F T S H G S P F T S A N F
1 5 10 15 20 25

SEQUENCE ID NO: 89

SEQUENCE LENGTH: 29 amino acids

K L S I N N Y R F Q M K F Y F R F T S H G S P F T S A N F
1 5 10 15 20 25

SEQUENCE ID NO: 90

SEQUENCE LENGTH: 10 amino acids

N S V S T T T G F R
1 5 10

SEQUENCE ID NO: 91

SEQUENCE LENGTH: 37 amino acids

N I Q L A A T K K L S I N N Y R F Q M K F Y F R F T S H G S
1 5 10 15 20 25 30
P F T S A N F
35

F07090"66042560

SEQUENCE LENGTH: 38 amino acids

N I Q L A A T K K K L S I N N Y R F Q M K F Y F R F T S H G
1 5 10 15 20 25 30
S P F T S A N F
35

SEQUENCE LENGTH: 19 amino acids

N I Q L A A T K K N S V S T T T G F R
1 5 10 15

SEQUENCE LENGTH: 18 amino acids

N I Q L A A T K N S V S T T T G F R
1 5 10 15

SEQUENCE LENGTH: 18 amino acids

M E H V A P G R M S A S P Q S P T Q
1 5 10 15

SEQUENCE LENGTH: 19 amino acids

K M E H V A P G R M S A S P Q S P T Q
1 5 10 15

SEQUENCE LENGTH: 59 amino acids

K W S T W L Q A E C Q H L H S P Q R S D K P Q Q A G L D Q Q
1 5 10 15 20 25 30
H H C F A L D S S P G P R P V F L Q L L G L M G Q G R H D
35 40 45 50 55

SEQUENCE ID NO: 98

SEQUENCE LENGTH: 58 amino acids

W S T W L Q A E C Q H L H S P Q R S D K P Q Q A G L D Q Q H
 1 5 10 15 20 25 30
 H C F A L D S S P G P R P V F L Q L L G L M G Q G R H D
 35 40 45 50 55

SEQUENCE ID NO: 99

SEQUENCE LENGTH: 26 amino acids

T F S V W A E K M E H V A P G R M S A S P Q S P T Q
 1 5 10 15 20 25

SEQUENCE ID NO: 100

SEQUENCE LENGTH: 27 amino acids

T F S V W A E K K M E H V A P G R M S A S P Q S P T Q
 1 5 10 15 20 25

SEQUENCE ID NO: 101

SEQUENCE LENGTH: 67 amino acids

T F S V W A E K K W S T W L Q A E C Q H L H S P Q R S D K P
 1 5 10 15 20 25 30
 Q Q A G L D Q Q H H C F A L D S S P G P R P V F L Q L L G L
 35 40 45 50 55 60
 M G Q G R H D
 65

SEQUENCE ID NO: 102

SEQUENCE LENGTH: 66 amino acids

T F S V W A E K W S T W L Q A E C Q H L H S P Q R S D K P Q
 1 5 10 15 20 25 30
 Q A G L D Q Q H H C F A L D S S P G P R P V F L Q L L G L M
 35 40 45 50 55 60
 G Q G R H D
 65

F04G30/22612500

17

SEQUENCE ID NO: 103

SEQUENCE LENGTH: 18 amino acids

H K W L K F C L L R L V K E S F H E
1 5 10 15

SEQUENCE ID NO: 104

SEQUENCE LENGTH: 19 amino acids

K H K W L K F C L L R L V K E S F H E
1 5 10 15

SEQUENCE ID NO: 105

SEQUENCE LENGTH: 27 amino acids

K G G K A K G K K H K W L K F C L L R L V K E S F H E
1 5 10 15 20 25

SEQUENCE ID NO: 106

SEQUENCE LENGTH: 28 amino acids

K G G K A K G K K K H K W L K F C L L R L V K E S F H E
1 5 10 15 20 25

SEQUENCE ID NO: 107

SEQUENCE LENGTH: 13 amino acids

K G G K A K G K K N T N G
1 5 10

SEQUENCE ID NO: 108

SEQUENCE LENGTH: 12 amino acids

K G G K A K G K N T N G
1 5 10

SEQUENCE ID NO: 109

SEQUENCE LENGTH: 8 amino acids

V N N F F K K L
1 5

PCT/NO99/00143

18

SEQUENCE ID NO: 110

SEQUENCE LENGTH: 9 amino acids

K V N N F F K K L

1 5

SEQUENCE ID NO: 111

SEQUENCE LENGTH: 16 amino acids

L S Q G N V K K V N N F F K K L

1 5 10 15

SEQUENCE ID NO: 112

SEQUENCE LENGTH: 17 amino acids

L S Q G N V K K K V N N F F K K L

1 5 10 15

SEQUENCE ID NO: 113

SEQUENCE LENGTH: 38 amino acids

G E K N D L Q L F V M S D R R Y K I Y W T V I L L N P C G N

1 5 10 15 20 25 30

L H L K T T S L

35

SEQUENCE ID NO: 114

SEQUENCE LENGTH: 39 amino acids

K G E K N D L Q L F V M S D R R Y K I Y W T V I L L N P C G

1 5 10 15 20 25 30

N L H L K T T S L

35

SEQUENCE ID NO: 115

SEQUENCE LENGTH: 10 amino acids

K G K K M I C S Y S

1 5 10

PCT/NO99/00143

SEQUENCE ID NO: 116

SEQUENCE LENGTH: 9 amino acids

G K K M I C S Y S

1 5

SEQUENCE ID NO: 117

SEQUENCE LENGTH: 46 amino acids

S S K T F E K K G E K N D L Q L F V M S D R R Y K I Y W T V

1 5 10 15 20 25 30

I L L N P C G N L H L K T T S L

35 40 45

SEQUENCE ID NO: 118

SEQUENCE LENGTH: 47 amino acids

S S K T F E K K K G E K N D L Q L F V M S D R R Y K I Y W T

1 5 10 15 20 25 30

V I L L N P C G N L H L K T T S L

35 30 45

SEQUENCE ID NO: 119

SEQUENCE LENGTH: 18 amino acids

S S K T F E K K K G K K M I C S Y S

1 5 10 15

SEQUENCE ID NO: 120

SEQUENCE LENGTH: 17 amino acids

S S K T F E K K G K K M I C S Y S

1 5 10 15

SEQUENCE ID NO: 121

SEQUENCE LENGTH: 17 amino acids

Q R K P K R A N C V I Q R R A K M

1 5 10 15

Publ. No. 99/00143

20

SEQUENCE ID NO: 122

SEQUENCE LENGTH: 18 amino acids

K Q R K P K R A N C V I Q R R A K M

1 5 10 15

SEQUENCE ID NO: 123

SEQUENCE LENGTH: 26 amino acids

N K E N Q K E Q T A L L Y R G G Q R C R C V C L R F

1 5 10 15 20 25

SEQUENCE ID NO: 124

SEQUENCE LENGTH: 26 amino acids

P D Y Q P P A K K Q R K P K R A N C V I Q R R A K M

1 5 10 15 20 25

SEQUENCE ID NO: 125

SEQUENCE LENGTH: 27 amino acids

P D Y Q P P A K K K Q R K P K R A N C V I Q R R A K M

1 5 10 15 20 25

SEQUENCE ID NO: 126

SEQUENCE LENGTH: 35 amino acids

P D Y Q P P A K K N K E N Q K E Q T A L L Y R G G Q R C R C

1 5 10 15 20 25 30

V C L R F

35

SEQUENCE ID NO: 127

SEQUENCE LENGTH: 34 amino acids

P D Y Q P P A K N K E N Q K E Q T A L L Y R G G Q R C R C V

1 5 10 15 20 25 30

C L R F

T040990-22642900

SEQUENCE ID NO: 128

SEQUENCE LENGTH: 7 amino acids

N L S S L L I

1 5

SEQUENCE ID NO: 129

SEQUENCE LENGTH: 5 amino acids

T C L P F

1 5

SEQUENCE ID NO: 130

SEQUENCE LENGTH: 15 amino acids

Q P T F T L R K N L S S L L I

1 5 10 15

SEQUENCE ID NO: 131

SEQUENCE LENGTH: 16 amino acids

Q P T F T L R K K N L S S L L I

1 5 10 15

SEQUENCE ID NO: 132

SEQUENCE LENGTH: 14 amino acids

Q P T F T L R K K T C L P F

1 5 10

SEQUENCE ID NO: 133

SEQUENCE LENGTH: 13 amino acids

Q P T F T L R K T C L P F

1 5 10

SEQUENCE ID NO: 134

SEQUENCE LENGTH: 31 amino acids

R A T F L L S L W E C S L P Q A R L C L I V S R T G L L V Q

1 5 10 15 20 25 30

S

T010990 E2612560

SEQUENCE LENGTH: 19 amino acids

SEQUENCE ID NO: 136

SEQUENCE LENGTH: 39 amino acids

SEQUENCE ID NO: 137

SEQUENCE LENGTH: 40 amino acids

SEQUENCE ID NO: 138

SEQUENCE LENGTH: 28 amino acids

SEQUENCE ID NO: 139

SEQUENCE LENGTH: 27 amino acids

SEQUENCE ID NO: 140

SEQUENCE LENGTH: 39 amino acids

I T H T R W G I T T W D S W S V R M K A N W I Q A Q Q N K S
1 5 10 15 20 25 30
L I L S P S F T K
35

SEQUENCE ID NO: 141

SEQUENCE LENGTH: 40 amino acids

K I T H T R W G I T T W D S W S V R M K A N W I Q A Q Q N K
1 5 10 15 20 25 30
S L I L S P S F T K
 35 40

SEQUENCE ID NO: 142

SEQUENCE LENGTH: 16 amino acids

K L L T P G G E L P H G I L G Q
1 5 10 15

SEQUENCE ID NO: 143

SEQUENCE LENGTH: 15 amino acids

L L T P G G E L P H G I L G Q
1 5 10 15

SEQUENCE ID NO: 144

SEQUENCE LENGTH: 47 amino acids

P P V C E L E K I T H T R W G I T T W D S W S V R M K A N W
1 5 10 15 20 25 30
I Q A Q Q N K S L I L S P S F T K
 35 40 45

SEQUENCE ID NO: 145

SEQUENCE LENGTH: 48 amino acids

P P V C E L E K K I T H T R W G I T T W D S W S V R M K A N
1 5 10 15 20 25 30
W I Q A Q Q N K S L I L S P S F T K
 35 40 45

SEQUENCE ID NO: 146

SEQUENCE LENGTH: 24 amino acids

P P V C E L E K K L L T P G G E L P H G I L G Q
1 5 10 15 20

Publ. No. 99/00143

SEQUENCE LENGTH: 23 amino acids

SEQUENCE ID NO: 148

SEQUENCE LENGTH: 11 amino acids

SEQUENCE ID NO: 149

SEQUENCE LENGTH: 12 amino acids

SEQUENCE ID NO: 150

SEQUENCE LENGTH: 12 amino acids

SEQUENCE ID NO: 151

SEQUENCE LENGTH: 11 amino acids

SEQUENCE ID NO: 152

SEQUENCE LENGTH: 23 amino acids

SEQUENCE ID NO: 153

SEQUENCE LENGTH: 10 amino acids

E P K V K E E K K T
1 5 10

SEQUENCE ID NO: 154

SEQUENCE LENGTH: 11 amino acids

E P K V K E E K K K T

1 5 10

SEQUENCE ID NO: 155

SEQUENCE LENGTH: 32 amino acids

E P K V K E E K K R L R R I N G R G S Q I R S R N A F N R S

1 5 10 15 20 25 30

E E

SEQUENCE ID NO: 156

SEQUENCE LENGTH: 31 amino acids

E P K V K E E K R L R R I N G R G S Q I R S R N A F N R S E

1 5 10 15 20 25 30

E

SEQUENCE ID NO: 157

SEQUENCE LENGTH: 14 amino acids

T F R Y K G K Q H P F F S T

1 5 10

SEQUENCE ID NO: 158

SEQUENCE LENGTH: 10 amino acids

G P N A P E E K N H

1 5 10

SEQUENCE ID NO: 159

SEQUENCE LENGTH: 11 amino acids

G P N A P E E K K N H

1 5 10

SEQUENCE ID NO: 160

SEQUENCE LENGTH: 23 amino acids

G P N A P E E K K T F R Y K G K Q H P F F S T

1 5 10 15 20

Publ. No. 99/00143

SEQUENCE ID NO: 161

SEQUENCE LENGTH: 22 amino acids

G P N A P E E K T F R Y K G K Q H P F F S T
1 5 10 15 20

SEQUENCE ID NO: 162

SEQUENCE LENGTH: 6 amino acids

M Q N T C V
1 5

SEQUENCE ID NO: 163

SEQUENCE LENGTH: 7 amino acids

K M Q N T C V
1 5

SEQUENCE ID NO: 164

SEQUENCE LENGTH: 9 amino acids

K C K I R V F S K
1 5

SEQUENCE ID NO: 165

SEQUENCE LENGTH: 8 amino acids

C K I R V F S K
1 5

SEQUENCE ID NO: 166

SEQUENCE LENGTH: 14 amino acids

F F K R T V Q K M Q N T C V
1 5 10

SEQUENCE ID NO: 167

SEQUENCE LENGTH: 15 amino acids

F F K R T V Q K K M Q N T C V
1 5 10 15

Publ. No. 62614960

SEQUENCE ID NO: 168

SEQUENCE LENGTH: 17 amino acids

F F K R T V Q K K C K I R V F S K
1 5 10 15

SEQUENCE ID NO: 169

SEQUENCE LENGTH: 16 amino acids

F F K R T V Q K C K I R V F S K
1 5 10 15

SEQUENCE ID NO: 170

SEQUENCE LENGTH: 7 amino acids

L P H Y L A H
1 5

SEQUENCE ID NO: 171

SEQUENCE LENGTH: 8 amino acids

C L I T W L T N
1 5

SEQUENCE ID NO: 172

SEQUENCE LENGTH: 17 amino acids

G S T T G L S A T P L P H Y L A H
1 5 10 15

SEQUENCE ID NO: 173

SEQUENCE LENGTH: 118 amino acids

G S T T G L S A T P P L P H Y L A H
1 5 10 15

SEQUENCE ID NO: 174

SEQUENCE LENGTH: 19 amino acids

G S T T G L S A T P P C L I T W L T N
1 5 10 15

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SEQUENCE ID NO: 175

SEQUENCE LENGTH: 18 amino acids

G S T T G L S A T P C L I T W L T N

1 5 10 15

SEQUENCE ID NO: 176

SEQUENCE LENGTH: 9 amino acids

R F A D K P R P N

1 5

SEQUENCE ID NO: 177

SEQUENCE LENGTH: 20 amino acids

D L P T S P D Q T R S G P V H V S V E P

1 5 10 15 20

SEQUENCE ID NO: 178

SEQUENCE LENGTH: 19 amino acids

D S A A G C S G T P R F A D K P R P N

1 5 10 15

SEQUENCE ID NO: 179

SEQUENCE LENGTH: 20 amino acids

D S A A G C S G T P P R F A D K P R P N

1 5 10 15 20

SEQUENCE ID NO: 180

SEQUENCE LENGTH: 31 amino acids

D S A A G C S G T P P D L P T S P D Q T R S G P V H V S V E

1 5 10 15 20 25 30
P

SEQUENCE ID NO: 181

SEQUENCE LENGTH: 30 amino acids

D S A A G C S G T P D L P T S P D Q T R S G P V H V S V E P

1 5 10 15 20 25 30

SEQUENCE ID NO: 182

SEQUENCE LENGTH: 53 amino acids

A H P E T P A Q N R L R I P C S R R E V R S R A C K P P G A
 1 5 10 15 20 25 30
 Q G S D E R R G K A S P G R D C D V R T G R P
 35 40 45 50

SEQUENCE ID NO: 183

SEQUENCE LENGTH: 54 amino acids

P A H P E T P A Q N R L R I P C S R R E V R S R A C K P P G
 1 5 10 15 20 25 30
 A Q G S D E R R G K A S P G R D C D V R T G R P
 35 40 45 50

SEQUENCE ID NO: 184

SEQUENCE LENGTH: 20 amino acids

R P T R R H P R R I A S G S P A V G G R
 1 5 10 15 20

SEQUENCE ID NO: 185

SEQUENCE LENGTH: 63 amino acids

V A I R G H P R P P A H P E T P A Q N R L R I P C S R R E V
 1 5 10 15 20 25 30
 R S R A C K P P G A Q G S D E R R G K A S P G R D C D V R T
 35 40 45 50 55 60
 G R P

SEQUENCE ID NO: 186

SEQUENCE LENGTH: 64 amino acids

V A I R G H P R P P P A H P E T P A Q N R L R I P C S R R E
 1 5 10 15 20 25 30
 V R S R A C K P P G A Q G S D E R R G K A S P G R D C D V R
 35 40 45 50 55 60
 T G R P

SEQUENCE ID NO: 187

SEQUENCE LENGTH: 30 amino acids

V A I R G H P R P P R P T R R H P R R I A S G S P A V G G R
1 5 10 15 20 25 30

SEQUENCE ID NO: 188

SEQUENCE LENGTH: 29 amino acids

V A I R G H P R P R P T R R H P R R I A S G S P A V G G R
1 5 10 15 20 25

SEQUENCE ID NO: 189

SEQUENCE LENGTH: 85 amino acids

R G R T S G R S L S C C R R P R C R P A V A S R S T A P S P
1 5 10 15 20 25 30
R A G S R R C C L R T S C G A A R P R R T R S A C G D W V A
 35 40 45 50 55 60
S P P T R S S S R T A C G A A S P P A R S W S A P
 65 70 75 80 85

SEQUENCE ID NO: 190

SEQUENCE LENGTH: 8 amino acids

G G G H L E E V
1 5

SEQUENCE ID NO: 191

SEQUENCE LENGTH: 94 amino acids

Y F G G P D S T P R G R T S G R S L S C C R R P R C R P A V
1 5 10 15 20 25 30
A S R S T A P S P R A G S R R C C L R T S C G A A R P R R T
 35 40 45 50 55 60
R S A C G D W V A S P P T R S S S R T A C G A A S P P A R S
 65 70 75 80 85 90
W S A P

SEQUENCE ID NO: 192

SEQUENCE LENGTH: 95 amino acids

Y F G G P D S T P P R G R T S G R S L S C C R R P R C R P A
1 5 10 15 20 25 30
V A S R S T A P S P R A G S R R C C L R T S C G A A R P R R
 35 40 45 50 55 60
T R S A C G D W V A S P P T R S S S R T A C G A A S P P A R
 65 70 75 80 85 90
S W S A P
 95

SEQUENCE ID NO: 193

SEQUENCE LENGTH: 18 amino acids

Y F G G P D S T P P G G G H L E E V
1 5 10 15

SEQUENCE ID NO: 194

SEQUENCE LENGTH: 17 amino acids

Y F G G P D S T P G G G H L E E V
1 5 10 15

SEQUENCE ID NO: 195

SEQUENCE LENGTH: 6 amino acids

H R V A D P
1 5

SEQUENCE ID NO: 196

SEQUENCE LENGTH: 13 amino acids

L S Q S S E L D P P S S R
1 5 10

SEQUENCE ID NO: 197

SEQUENCE LENGTH: 14 amino acids

L S Q S S E L D P P P S S R
1 5 10

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SEQUENCE ID NO: 198

SEQUENCE LENGTH: 16 amino acids

L S Q S S E L D P P H R V A D P
1 5 10 15

SEQUENCE ID NO: 199

SEQUENCE LENGTH: 15 amino acids

L S Q S S E L D P H R V A D P
1 5 10 15

SEQUENCE ID NO: 200

SEQUENCE LENGTH: 11 amino acids

V I L L P E D T P P S
1 5 10

SEQUENCE ID NO: 201

SEQUENCE LENGTH: 12 amino acids

V I L L P E D T P P P S
1 5 10

SEQUENCE ID NO: 202

SEQUENCE LENGTH: 14 amino acids

V I L L P E D T P P L L R A
1 5 10

SEQUENCE ID NO: 203

SEQUENCE LENGTH: 13 amino acids

V I L L P E L D P L L R A
1 5 10

SEQUENCE ID NO: 204

SEQUENCE LENGTH: 5 amino acids

P S P L P
1 5

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SEQUENCE ID NO: 205

SEQUENCE LENGTH: 25 amino acids

P L L F H R P C S P S P A L G A T V L A V Y R Y E
1 5 10 15 20 25

SEQUENCE ID NO: 206

SEQUENCE LENGTH: 24 amino acids

L L F H R P C S P S P A L G A T V L A V Y R Y E
1 5 10 15 20

SEQUENCE ID NO: 207

SEQUENCE LENGTH: 13 amino acids

A P R P P L G P P S P L P
1 5 10

SEQUENCE ID NO: 208

SEQUENCE LENGTH: 14 amino acids

A P R P P L G P P P S P L P
1 5 10

SEQUENCE ID NO: 209

SEQUENCE LENGTH: 34 amino acids

A P R P P L G P P P L L F H R P C S P S P A L G A T V L A V
1 5 10 15 20 25 30
Y R Y E

SEQUENCE ID NO: 210

SEQUENCE LENGTH: 33 amino acids

A P R P P L G P P L L F H R P C S P S P A L G A T V L A V Y
1 5 10 15 20 25 30
R Y E

SEQUENCE ID NO: 211

SEQUENCE LENGTH: 28 amino acids

T Q V L P Q G C S L S L L H T T F P H R Q V P H I L D W
 1 5 10 15 20 25

SEQUENCE ID NO: 212

SEQUENCE LENGTH: 29 amino acids

P T Q V L P Q G C S L S L L H T T F P H R Q V P H I L D W
 1 5 10 15 20 25

SEQUENCE ID NO: 213

SEQUENCE LENGTH: 54 amino acids

P L Q S F P K D A A S A F S T P R F P T D K F P T S W T G S
 1 5 10 15 20 25 30
 C P G Q P H G T R A F C Q P G P E F N A F S A C
 35 40 45 50

SEQUENCE ID NO: 214

SEQUENCE LENGTH: 53 amino acids

L Q S F P K D A A S A F S T P R F P T D K F P T S W T G S C
 1 5 10 15 20 25 30
 P G Q P H G T R A F C Q P G P E F N A F S A C
 35 40 45 50

SEQUENCE ID NO: 215

SEQUENCE LENGTH: 38 amino acids

P S P R P Q S Q P P T Q V L P Q G C S L S L L H T T F P H R
 1 5 10 15 20 25 30
 Q V P H I L D W
 35

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SEQUENCE ID NO: 216

SEQUENCE LENGTH: 39 amino acids

P S P R P Q S Q P P P T Q V L P Q G C S L S L L H T T F P H
1 5 10 15 20 25 30
R Q V P H I L D W
35

SEQUENCE ID NO: 217

SEQUENCE LENGTH: 64 amino acids

P S P R P Q S Q P P P L Q S F P K D A A S A F S T P R F P T
1 5 10 15 20 25 30
D K F P T S W T G S C P G Q P H G T R A F C Q P G P E F N A
35 40 45 50 55 60
F S A C

SEQUENCE ID NO: 218

SEQUENCE LENGTH: 63 amino acids

P S P R P Q S Q P P L Q S F P K D A A S A F S T P R F P T D
1 5 10 15 20 25 30
K F P T S W T G S C P G Q P H G T R A F C Q P G P E F N A F
35 40 45 50 55 60
S A C

SEQUENCE ID NO: 219

SEQUENCE LENGTH: 30 amino acids

T A W P G R R R F T T P E P Y C L C T P L G P W A P R F L W
1 5 10 15 20 25 30

SEQUENCE ID NO: 220

SEQUENCE LENGTH: 31 amino acids

P T A W P G R R R F T T P E P Y C L C T P L G P W A P R F L W
1 5 10 15 20 25 30

SEQUENCE ID NO: 221

SEQUENCE LENGTH: 50 amino acids

P R P G P A G G A L L P R S L T A F V P H S G H G L P V S S
1 5 10 15 20 25 30
G E P A Y T P I P H D V P H G T P P F C
 35 40 45 50

SEQUENCE ID NO: 222

SEQUENCE LENGTH: 49 amino acids

R P G P A G G A L L P R S L T A F V P H S G H G L P V S S G
1 5 10 15 20 25 30
E P A Y T P I P H D V P H G T P P F C
 35 40 45

SEQUENCE ID NO: 223

SEQUENCE LENGTH: 39 amino acids

D L P A V P G P P T A W P G R R R F T T P E P Y C L C T P L
1 5 10 15 20 25 30
G P W A P R F L W
 35

SEQUENCE ID NO: 224

SEQUENCE LENGTH: 40 amino acids

D L P A V P G P P P T A W P G R R R F T T P E P Y C L C T P
1 5 10 15 20 25 30
L G P W A P R F L W
 35 40

SEQUENCE ID NO: 225

SEQUENCE LENGTH: 59 amino acids

D L P A V P G P P P R P G P A G G A L L P R S L T A F V P H
1 5 10 15 20 25 30
S G H G L P V S S G E P A Y T P I P H D V P H G T P P F C
 35 40 45 50 55

SEQUENCE ID NO: 226

SEQUENCE LENGTH: 58 amino acids

D L P A V P G P P R P G P A G G A L L P R S L T A F V P H S
1 5 10 15 20 25 30
G H G L P V S S G E P A Y T P I P H D V P H G T P P F C
 35 40 45 50 55

SEQUENCE ID NO: 227

SEQUENCE LENGTH: 8 amino acids

Q W G L S W M S

1 5

SEQUENCE ID NO: 228

SEQUENCE LENGTH: 14 amino acids

N G D C H G C P E G R Q S L

1 5 10

SEQUENCE ID NO: 229

SEQUENCE LENGTH: 17 amino acids

F T M D R V L T P Q W G L S W M S

1 5 10 15

SEQUENCE ID NO: 230

SEQUENCE LENGTH: 18 amino acids

F T M D R V L T P P Q W G L S W M S

1 5 10 15

SEQUENCE ID NO: 231

SEQUENCE LENGTH: 24 amino acids

F T M D R V L T P P N G D C H G C P E G R Q S L

1 5 10 15 20

SEQUENCE ID NO: 232

SEQUENCE LENGTH: 23 amino acids

F T M D R V L T P N G D C H G C P E G R Q S L

1 5 10 15 20

PCT/NO99/00143

SEQUENCE ID NO: 233

SEQUENCE LENGTH: 115 amino acids

H H P A R Q C P H C I M H L Q T Q L I H R N L T G P S Q L T
1 5 10 15 20 25 30
S L H R S P Y Q I A A T P W T T D F A A S F F L N P V T P F
 35 40 45 50 55 60
L L C R R C Q G K D V L C T N A R C L S Q T S P S H H K A L
 65 70 75 80 85 90
S R T T T Q C M N T T P W L A V R P A K A F P L L
 95 100 105 110 115

SEQUENCE ID NO: 234

SEQUENCE LENGTH: 116 amino acids

P H H P A R Q C P H C I M H L Q T Q L I H R N L T G P S Q L
1 5 10 15 20 25 30
T S L H R S P Y Q I A A T P W T T D F A A S F F L N P V T P
 35 40 45 50 55 60
F L L C R R C Q G K D V L C T N A R C L S Q T S P S H H K A
 65 70 75 80 85 90
L S R T T T Q C M N T T P W L A V R P A K A F P L L
 95 100 105 110 115

SEQUENCE ID NO: 235

SEQUENCE LENGTH: 23 amino acids

H T I Q H A S V P T A S C I S K L N S Y T E N
1 5 10 15 20

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SEQUENCE ID NO: 236

SEQUENCE LENGTH: 126 amino acids

P Q V G M R P S N P P H H P A R Q C P H C I M H L Q T Q L I
1 5 10 15 20 25 30
H R N L T G P S Q L T S L H R S P Y Q I A A T P W T T D F A
 35 40 45 50 55 60
A S F F L N P V T P F L L C R R C Q G K D V L C T N A R C L
 65 70 75 80 85 90
S Q T S P S H H K A L S R T T T Q C M N T T P W L A V R P A
 95 100 105 110 115 120
K A F P L L
 125

SEQUENCE ID NO: 237

SEQUENCE LENGTH: 127 amino acids

P Q V G M R P S N P P P H H P A R Q C P H C I M H L Q T Q L
1 5 10 15 20 25 30
I H R N L T G P S Q L T S L H R S P Y Q I A A T P W T T D F
 35 40 45 50 55 60
A A S F F L N P V T P F L L C R R C Q G K D V L C T N A R C
 65 70 75 80 85 90
L S Q T S P S H H K A L S R T T T Q C M N T T P W L A V R P
 95 100 105 110 115 120
A K A F P L L
 125

SEQUENCE ID NO: 238

SEQUENCE LENGTH: 34 amino acids

P Q V G M R P S N P P H T I Q H A S V P T A S C I S K L N S
1 5 10 15 20 25 30
Y T E N

SEQUENCE ID NO: 239

SEQUENCE LENGTH: 33 amino acids

P Q V G M R P S N P H T I Q H A S V P T A S C I S K L N S Y
 1 5 10 15 20 25 30
 T E N

SEQUENCE ID NO: 240

SEQUENCE LENGTH: 51 amino acids

W A A R S W C E R R A A A V A P L A P W A W G C P A G C T P
 1 5 10 15 20 25 30
 P V A A R A C A A T R P E G W R S P C T H
 35 40 45 50

SEQUENCE ID NO: 241

SEQUENCE LENGTH: 52 amino acids

P W A A R S W C E R R A A A V A P L A P W A W G C P A G C T
 1 5 10 15 20 25 30
 P P V A A R A C A A T R P E G W R S P C T H
 35 40 45 50

SEQUENCE ID NO: 242

SEQUENCE LENGTH: 74 amino acids

R G L R G A G A R G G L R L L R H L R P G L G D A L R G V H
 1 5 10 15 20 25 30
 P P L R L G P A L L P A P R G G E A P A H T D A R A R R V H
 35 40 45 50 55 60
 G A G G D R G H P G P A A L
 65 70

SEQUENCE ID NO: 243

SEQUENCE LENGTH: 61 amino acids

E E K L A R C R P P W A A R S W C E R R A A A V A P L A P W
 1 5 10 15 20 25 30
 A W G C P A G C T P P V A A R A C A A T R P E G W R S P C T H
 35 40 45 50 55 60

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SEQUENCE ID NO: 244

SEQUENCE LENGTH: 62 amino acids

E E K L A R C R P P P W A A R S W C E R R A A A V A P L A P
1 5 10 15 20 25 30
W A W G C P A G C T P P V A A R A C A A T R P E G W R S P C T H
 35 40 45 50 55 60

SEQUENCE ID NO: 245

SEQUENCE LENGTH: 84 amino acids

E E K L A R C R P P R G L R G A G A R G G L R L L R H L R P
1 5 10 15 20 25 30
G L G D A L R G V H P P L R L G P A L L P A P R G G E A P A
 35 40 45 50 55 60
H T D A R A R R V H G A G G D R G H P G P A A L
 65 70 75 80

SEQUENCE ID NO: 246

SEQUENCE LENGTH: 83 amino acids

E E K L A R C R P R G L R G A G A R G G L R L L R H L R P G
1 5 10 15 20 25 30
L G D A L R G V H P P L R L G P A L L P A P R G G E A P A H
 35 40 45 50 55 60
T D A R A R R V H G A G G D R G H P G P A A L
 65 70 75 80

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SEQUENCE ID NO: 247

SEQUENCE LENGTH: 163 amino acids

Q P P V S P R P R R P G R P R A P P P P Q P M V S P R R R T
1 5 10 15 20 25 30
T G P P W R P P P L Q S T M S P P P Q A L H Q A Q L L L W C
35 40 45 50 55 60
T T A P L P G L P Q P Q P A R A L H S Q F P A T T L I L L P
65 70 75 80 85 90
P L P A I A P R L M P V A L T I A R Y L L S P P P I T A L L
95 100 105 110 115 120
P S C L L G S L S F S C L F T F Q T S S L I P L W K I P A P
125 130 135 140 145 150
T T T K S C R E T F L K W
155 160

SEQUENCE ID NO: 248

SEQUENCE LENGTH: 85 amino acids

S P G C H L G P G D Q A A P G L H R P P S P W C H L G A G Q
1 5 10 15 20 25 30
Q A R L G V H R P S S P Q C H L G L R L C I R L S F Y S G A
35 40 45 50 55 60
Q R H L C Q G Y H N P S Q Q E H S I L N S Q P P L
65 70 75 80 85

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SEQUENCE ID NO: 249

SEQUENCE LENGTH: 172 amino acids

K P A P G S T A P Q P P V S P R P R R P G R P R A P P P P Q
 1 5 10 15 20 25 30
 P M V S P R R R T T G P P W R P P P L Q S T M S P P P Q A L
 35 40 45 50 55 60
 H Q A Q L L L W C T T A P L P G L P Q P Q P A R A L H S Q F
 65 70 75 80 85 90
 P A T T L I L L P P L P A I A P R L M P V A L T I A R Y L L
 95 100 105 110 115 120
 S P P P I T A L L P S C L L G S L S F S C L F T F Q T S S L
 125 130 135 140 145 150
 I P L W K I P A P T T T K S C R E T F L K W
 155 160 165 170

SEQUENCE ID NO: 250

SEQUENCE LENGTH: 173 amino acids

K P A P G S T A P P Q P P V S P R P R R P G R P R A P P P P P
 1 5 10 15 20 25 30
 Q P M V S P R R R T T G P P W R P P P L Q S T M S P P P Q A
 35 40 45 50 55 60
 L H Q A Q L L L W C T T A P L P G L P Q P Q P A R A L H S Q
 65 70 75 80 85 90
 F P A T T L I L L P P L P A I A P R L M P V A L T I A R Y L
 95 100 105 110 115 120
 L S P P P I T A L L P S C L L G S L S F S C L F T F Q T S S
 125 130 135 140 145 150
 L I P L W K I P A P T T T K S C R E T F L K W
 155 160 165 170

F040500 E2674900

SEQUENCE ID NO: 251

SEQUENCE LENGTH: 65 amino acids

K P A P G S T A P P S P G C H L G P G D Q A A P G L H R P P
 1 5 10 15 20 25 30
 S P W C H L G A G Q Q A R L G V H R P S S P Q C H L G L R L

 C I R L S F Y S G A Q R H L C Q G Y H N P S Q Q E H S I L N
 35 40 45 50 55 60
 S Q P P L
 65

SEQUENCE ID NO: 252

SEQUENCE LENGTH: 94 amino acids

K P A P G S T A P S P G C H L G P G D Q A A P G L H R P P S
 1 5 10 15 20 25 30
 P W C H L G A G Q Q A R L G V H R P S S P Q C H L G L R L C
 35 40 45 50 55 60
 I R L S F Y S G A Q R H L C Q G Y H N P S Q Q E H S I L N S
 65 70 75 80 85 90
 Q P P L

SEQUENCE ID NO: 253

SEQUENCE LENGTH: 113 amino acids

Q P M V S P R R R T T G P P W R P P P L Q S T M S P P P Q A
 1 5 10 15 20 25 30
 L H Q A Q L L L W C T T A P L P G L P Q P Q P A R A L H S Q
 35 40 45 50 55 60
 F P A T T L I L L P P L P A I A P R L M P V A L T I A R Y L
 65 70 75 80 85 90
 L S P P P I T A L L P S C L L G S L S F S C L F T F Q T S S

 L I P L W K I P A P T T T K S C R E T F L K W
 95 100 105 110

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SEQUENCE ID NO: 254

SEQUENCE LENGTH: 65 amino acids

S P W C H L G A G Q Q A R L G V H R P S S P Q C H L G L R L
1 5 10 15 20 25 30
C I R L S F Y S G A Q R H L C Q G Y H N P S Q Q E H S I L N
 35 40 45 50 55 60
S Q P P L
 65

SEQUENCE ID NO: 255

SEQUENCE LENGTH: 18 amino acids

R P P P G S T A P Q P M V S P R R R
1 5 10 15

SEQUENCE ID NO: 256

SEQUENCE LENGTH: 19 amino acids

R P P P G S T A P P Q P M V S P R R R
1 5 10 15

SEQUENCE ID NO: 257

SEQUENCE LENGTH: 18 amino acids

R P P P G S T A P P S P W C H L G A
1 5 10 15

SEQUENCE ID NO: 258

SEQUENCE LENGTH: 17 amino acids

R P P P G S T A P S P W C H L G A
1 5 10 15

SEQUENCE ID NO: 259

SEQUENCE LENGTH: 14 amino acids

R P R A P P P P S P W C H L
1 5 10

SEQUENCE ID NO: 260

SEQUENCE LENGTH: 13 amino acids

R P R A P P P P P S P W C

1 5 10

SEQUENCE ID NO: 261

SEQUENCE LENGTH: 16 amino acids

R P R A P P P P A H G V T S A P

1 5 10 15

SEQUENCE ID NO: 262

SEQUENCE LENGTH: 13 amino acids

R P R A P P P P P A H G V

1 5 10

SEQUENCE ID NO: 263

SEQUENCE LENGTH: 14 amino acids

A P G L H R P P Q P M V S P

1 5 10

SEQUENCE ID NO: 264

SEQUENCE LENGTH: 15 amino acids

A A P G L H R P Q P M V S P R

1 5 10 15

SEQUENCE ID NO: 265

SEQUENCE LENGTH: 13 amino acids

P G L H R P P P A H G V T

1 5 10

SEQUENCE ID NO: 266

SEQUENCE LENGTH: 14 amino acids

A P G L H R P P A H G V T S

1 5 10

iddd

SEQUENCE ID NO: 267

SEQUENCE LENGTH: 21 amino acids

V D R P Q H T E W L S W S N L Y R I R H Q
1 5 10 15 20

SEQUENCE ID NO: 268

SEQUENCE LENGTH: 10 amino acids

H Y L C T D V A P R
1 5 10

SEQUENCE ID NO: 269

SEQUENCE LENGTH: 11 amino acids

H Y L C T D V A P P R
1 5 10

SEQUENCE ID NO: 270

SEQUENCE LENGTH: 31 amino acids

H Y L C T D V A P P V D R P Q H T E W L S W S N L Y R I R H
1 5 10 15 20 25 30
Q

SEQUENCE ID NO: 271

SEQUENCE LENGTH: 30 amino acids

H Y L C T D V A P V D R P Q H T E W L S W S N L Y R I R H Q
1 5 10 15 20 25 30

SEQUENCE ID NO: 272

SEQUENCE LENGTH: 108 amino acids

S A Y L S P L G T T W L R T C A C R L P R P A A S C L C T T
1 5 10 15 20 25 30
P S L L W P R R T C P A G S P R A T S S P W R M P A P K S C
 35 40 45 50 55 60
C T T G L A F T S P I G L G W R S A T A S G Y A R I W P V L
 65 70 75 80 85 90
S L T C Q S W S T S L P S T A V T W
 95 100 105

P01090 E267290

SEQUENCE LENGTH: 109 amino acids

P S A Y L S P L G T T W L R T C A C R L P R P A A S C L C T
 1 5 10 15 20 25 30
 T P S L L W P R R T C P A G S P R A T S S P W R M P A P K S
 35 40 45 50 55 60
 C C T T G L A F T S P I G L G W R S A T A S G Y A R I W P V
 65 70 75 80 85 90
 L S L T C Q S W S T S L P S T A V T W
 95 100 105

SEQUENCE LENGTH: 12 amino acids

P A P I F L L W G P L G
1 5 10

SEQUENCE LENGTH: 11 amino acids

A P I F L L W G P L G
1 5 10

SEQUENCE LENGTH: 117 amino acids

L P A R A P G P P S A Y L S P L G T T W L R T C A C R L P R
 1 5 10 15 20 25 30
 P A A S C L C T T P S L L W P R R T C P A G S P R A T S S P
 35 40 45 50 55 60
 W R M P A P K S C C T T G L A F T S P I G L G W R S A T A S
 65 70 75 80 85 90
 G Y A R I W P V L S L T C Q S W S T S L P S T A V T W
 95 100 105 110 115

SEQUENCE ID NO: 277

SEQUENCE LENGTH: 118 amino acids

L P A R A P G P P P S A Y L S P L G T T W L R T C A C R L P
1 5 10 15 20 25 30
R P A A S C L C T T P S L L W P R R T C P A G S P R A T S S
 35 40 45 50 55 60
P W R M P A P K S C C T T G L A F T S P I G L G W R S A T A
 65 70 75 80 85 90
S G Y A R I W P V L S L T C Q S W S T S L P S T A V T W
 95 100 105 110 115

SEQUENCE ID NO: 278

SEQUENCE LENGTH: 21 amino acids

L P A R A P G P P P A P I F L L W G P L G
1 5 10 15 20

SEQUENCE ID NO: 279

SEQUENCE LENGTH: 20 amino acids

L P A R A P G P P A P I F L L W G P L G
1 5 10 15 20

SEQUENCE ID NO: 280

SEQUENCE LENGTH: 14 amino acids

D L E H H G G V T R H R H R
1 5 10

SEQUENCE ID NO: 281

SEQUENCE LENGTH: 11 amino acids

L V S D Y S M T P R P
1 5 10

SEQUENCE ID NO: 282

SEQUENCE LENGTH: 12 amino acids

L V S D Y S M T P P R P
1 5 10

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SEQUENCE ID NO: 283

SEQUENCE LENGTH: 24 amino acids

L V S D Y S M T P P D L E H H G G V T R H R H R
1 5 10 15 20

SEQUENCE ID NO: 284

SEQUENCE LENGTH: 23 amino acids

L V S D Y S M T P D L E H H G G V T R H R H R
1 5 10 15 20

SEQUENCE ID NO: 285

SEQUENCE LENGTH: 51 amino acids

F H H I A T D V G P F V R I G F L K I K G K I K G K S L R K
1 5 10 15 20 25 30
P N W K T Q H K L K R A L M F L I V K K L
 35 40 45 50

SEQUENCE ID NO: 286

SEQUENCE LENGTH: 52 amino acids

seq id no 286;

P F H H I A T D V G P F V R I G F L K I K G K I K G K S L R
1 5 10 15 20 25 30
K P N W K T Q H K L K R A L M F L I V K K L
 35 40 45 50

SEQUENCE ID NO: 287

SEQUENCE LENGTH: 12 amino acids

P S I T L Q Q M L A P S
1 5 10

SEQUENCE ID NO: 288

SEQUENCE LENGTH: 11 amino acids

S I T L Q Q M L A P S
1 5 10

PCT/NO99/00143

SEQUENCE ID NO: 289

SEQUENCE LENGTH: 60 amino acids

T S C N E M N P P F H H I A T D V G P F V R I G F L K I K G
 1 5 10 15 20 25 30
 K I K G K S L R K P N W K T Q H K L K R A L M F L I V K K L
 35 40 45 50 55 60

SEQUENCE ID NO: 290

SEQUENCE LENGTH: 61 amino acids

T S C N E M N P P P F H H I A T D V G P F V R I G F L K I K
 1 5 10 15 20 25 30
 G K I K G K S L R K P N W K T Q H K L K R A L M F L I V K K
 35 40 45 50 55 60
 L

SEQUENCE ID NO: 291

SEQUENCE LENGTH: 20 amino acids

T S C N E M N P P S I T L Q Q M L A P S
 1 5 10 15 20

SEQUENCE ID NO: 292

SEQUENCE LENGTH: 21 amino acids

T S C N E M N P P P S I T L Q Q M L A P S
 1 5 10 15 20

SEQUENCE ID NO: 293

SEQUENCE LENGTH: 10 amino acids

L E M I L F L M T F
 1 5 10

SEQUENCE ID NO: 294

SEQUENCE LENGTH: 18 amino acids

H P C I T K T F L E M I L F L M T F
 1 5 10 15

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SEQUENCE ID NO: 295

SEQUENCE LENGTH: 19 amino acids

H P C I T K T F F L E M I L F L M T F
1 5 10 15

SEQUENCE ID NO: 296

SEQUENCE LENGTH: 11 amino acids

H P C I T K T F F W R
1 5 10

SEQUENCE ID NO: 297

SEQUENCE LENGTH: 10 amino acids

H P C I T K T F W R
1 5 10

SEQUENCE ID NO: 298

SEQUENCE LENGTH: 22 amino acids

L M F E H S Q M R L N S K N A H L P I I S F
1 5 10 15 20

SEQUENCE ID NO: 299

SEQUENCE LENGTH: 30 amino acids

E Y G S I I A F L M F E H S Q M R L N S K N A H L P I I S F
1 5 10 15 20 25 30

SEQUENCE ID NO: 300

SEQUENCE LENGTH: 31 amino acids

E Y G S I I A F F L M F E H S Q M R L N S K N A H L P I I S
1 5 10 15 20 25 30
F

SEQUENCE ID NO: 301

SEQUENCE LENGTH: 15 amino acids

H L N K G R R L G D K I R A T
1 5 10 15

TD4990-ECM2900

SEQUENCE ID NO: 302

SEQUENCE LENGTH: 16 amino acids

F H L N K G R R L G D K I R A T

1 5 10 15

SEQUENCE ID NO: 303

SEQUENCE LENGTH: 23 amino acids

V T S G T P F F H L N K G R R L G D K I R A T

1 5 10 15 20

SEQUENCE ID NO: 304

SEQUENCE LENGTH: 24 amino acids

V T S G T P F F F H L N K G R R L G D K I R A T

1 5 10 15 20

SEQUENCE ID NO: 305

SEQUENCE LENGTH: 10 amino acids

V T S G T P F F F I

1 5 10

SEQUENCE ID NO: 306

SEQUENCE LENGTH: 9 amino acids

V T S G T P F F I

1 5

SEQUENCE ID NO: 307

SEQUENCE LENGTH: 10 amino acids

C E I E R I H F F F

1 5 10

SEQUENCE ID NO: 308

SEQUENCE LENGTH: 11 amino acids

C E I E R I H F F S K

1 5 10

200002264900

SEQUENCE ID NO: 309

SEQUENCE LENGTH: 10 amino acids

C E I E R I H F S K
1 5 10

SEQUENCE ID NO: 310

SEQUENCE LENGTH: 8 amino acids

F R Y I S K S I
1 5

SEQUENCE ID NO: 311

SEQUENCE LENGTH: 7 amino acids

R Y I S K S I
1 5

SEQUENCE ID NO: 312

SEQUENCE LENGTH: 16 amino acids

F K K Y E P I F F R Y I S K S I
1 5 10 15

SEQUENCE ID NO: 313

SEQUENCE LENGTH: 15 amino acids

F K K Y E P I F R Y I S K S I
1 5 10 15

SEQUENCE ID NO: 314

SEQUENCE LENGTH: 56 amino acids

F P D S D Q P G P L Y P L D P S C L I S S A S N P Q E L S D
1 5 10 15 20 25 30
C H Y I H L A F G F S N W R S C P V L P G H C G V Q
 35 40 45 50 55

Publ. No. 99/00143

SEQUENCE ID NO: 315

SEQUENCE LENGTH: 55 amino acids

P D S D Q P G P L Y P L D P S C L I S S A S N P Q E L S D C
1 5 10 15 20 25 30
H Y I H L A F G F S N W R S C P V L P G H C G V Q
 35 40 45 50 55

SEQUENCE ID NO: 316

SEQUENCE LENGTH: 9 amino acids

L N M F A S V F S

1 5

SEQUENCE ID NO: 317

SEQUENCE LENGTH: 10 amino acids

L N M F A S V F F S

1 5 10 15

SEQUENCE ID NO: 318

SEQUENCE LENGTH: 64 amino acids

L N M F A S V F F P D S D Q P G P L Y P L D P S C L I S S A
1 5 10 15 20 25 30
S N P Q E L S D C H Y I H L A F G F S N W R S C P V L P G H
 35 40 45 50 55 60
C G V Q

SEQUENCE ID NO: 319

SEQUENCE LENGTH: 63 amino acids

L N M F A S V F F P D S D Q P G P L Y P L D P S C L I S S A S
1 5 10 15 20 25 30
N P Q E L S D C H Y I H L A F G F S N W R S C P V L P G H C
 35 40 45 50 55 60
G V Q

PCT/NO99/00143

SEQUENCE ID NO: 320

SEQUENCE LENGTH: 63 amino acids

A M E E T V V V A V A T V E T E V E A M E E T G V V A A M E
 1 5 10 15 20 25 30
 E T E V G A T E E T E V A M E A K W E E E T T T E M I S A T
 35 40 45 50 55 60
 D H T

SEQUENCE ID NO: 321

SEQUENCE LENGTH: 55 amino acids

L W V R P W L W E W L R W R P K W R L W R R Q E W W R L W R
 1 5 10 15 20 25 30
 R P R W G L R R R P R W L W R E N G R K K R L Q K
 35 40 45 50 55

SEQUENCE ID NO: 322

SEQUENCE LENGTH: 71 amino acids

Y G G D R S R G A M E E T V V V A V A T V E T E V E A M E E
 1 5 10 15 20 25 30
 T G V V A A M E E T E V G A T E E T E V A M E A K W E E E T
 35 40 45 50 55 60
 T T E M I S A T D H T
 65 70

SEQUENCE ID NO: 323

SEQUENCE LENGTH: 72 amino acids

Y G G D R S R G G A M E E T V V V A V A T V E T E V E A M E
 1 5 10 15 20 25 30
 E T G V V A A M E E T E V G A T E E T E V A M E A K W E E E
 35 40 45 50 55 60
 T T T E M I S A T D H T
 65 70

Publ. No. 2464990

SEQUENCE ID NO: 324

SEQUENCE LENGTH: 64 amino acids

Y G G D R S R G G L W V R P W L W E W L R W E P K W R L W R
1 5 10 15 20 25 30
R Q E W W R L W R R P R W G L R R R P R W L W R E N G R K K
 35 40 45 50 55 60
R L Q K

SEQUENCE ID NO: 325

SEQUENCE LENGTH: 63 amino acids

Y G G D R S R G L W V R P W L W E W L R W E P K W R L W R R
1 5 10 15 20 25 30
Q E W W R L W R R P R W G L R R R P R W L W R E N G R K K R
 35 40 45 50 55 60
L Q K

SEQUENCE ID NO: 326

SEQUENCE LENGTH: 9 amino acids

E F G G G R R Q K
1 5

SEQUENCE ID NO: 327

SEQUENCE LENGTH: 8 amino acids

E F G G R R Q K
1 5

SEQUENCE ID NO: 328

SEQUENCE LENGTH: 15 amino acids

R R A K G G G A G A S N P R Q
1 5 10 15

SEQUENCE ID NO: 329

SEQUENCE LENGTH: 16 amino acids

G R R A K G G G A G A S N P R Q
1 5 10 15

SEQUENCE ID NO: 330

SEQUENCE LENGTH: 21 amino acids

D V G L R E G A L E L P T R G N K R N V A
1 5 10 15 20

SEQUENCE ID NO: 331

SEQUENCE LENGTH: 24 amino acids

M R G G G G V G G R R A K G G G A G A S N P R Q
1 5 10 15 20

SEQUENCE ID NO: 332

SEQUENCE LENGTH: 25 amino acids

M R G G G G V G G R R A K G G G A G A S N P R Q
1 5 10 15 20 25

SEQUENCE ID NO: 333

SEQUENCE LENGTH: 30 amino acids

M R G G G G V G G D V G L R E G A L E L P T R G N K R N V A
1 5 10 15 20 25 30

SEQUENCE ID NO: 334

SEQUENCE LENGTH: 29 amino acids

M R G G G G V G D V G L R E G A L E L P T R G N K R N V A
1 5 10 15 20 25

SEQUENCE ID NO: 335

SEQUENCE LENGTH: 25 amino acids

V W Q L A G P M L A G W R S L G S W F C R M Y G I
1 5 10 15 20 25

SEQUENCE ID NO: 336

SEQUENCE LENGTH: 46 amino acids

C G S W P A L C W R A G G V W A V G S A G C M E Y D P E A L
1 5 10 15 20 25 30
P A A W G P A A A A T V H P R R
 35 40 45

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SEQUENCE ID NO: 337

SEQUENCE LENGTH: 33 amino acids

R R Y P C E W G V W Q L A G P M L A G W R S L G S W F C R M
1 5 10 15 20 25 30
Y G I

SEQUENCE ID NO: 338

SEQUENCE LENGTH: 34 amino acids

R R Y P C E W G G V W Q L A G P M L A G W R S L G S W F C R
1 5 10 15 20 25 30
M Y G I

SEQUENCE ID NO: 339

SEQUENCE LENGTH: 55 amino acids

R R Y P C E W G G C G S W P A L C W R A G G V W A V G S A G
1 5 10 15 20 25 30
C M E Y D P E A L P A A W G P A A A A T V H P R R
 35 40 45 50 55

SEQUENCE ID NO: 340

SEQUENCE LENGTH: 54 amino acids

R R Y P C E W G C G S W P A L C W R A G G V W A V G S A G C
1 5 10 15 20 25 30
M E Y D P E A L P A A W G P A A A A T V H P R R
 35 40 45 50

SEQUENCE ID NO: 341

SEQUENCE LENGTH: 43 amino acids

L W L W A G W T V W W S C G P G E K G H G W P S L P T M A L
1 5 10 15 20 25 30
L L L R F S C M R V A S Y
 35 40

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SEQUENCE ID NO: 342

SEQUENCE LENGTH: 44 amino acids

G L W L W A G W T V W W S C G P G E K G H G W P S L P T M A
1 5 10 15 20 25 30
L L L L R F S C M R V A S Y
 35 40

SEQUENCE ID NO: 343

SEQUENCE LENGTH: 84 amino acids

G C G C G P A G Q Y G G A V G L A R R G T A G C L P C P P W
1 5 10 15 20 25 30
L C C C C A F P A C G L P G T D G W R G W Q G S G C V R V S
 35 40 45 50 55 60
G S A P W A P G F P F S P P C P L C G T Q P R W
 65 70 75 80

SEQUENCE ID NO: 344

SEQUENCE LENGTH: 83 amino acids

C G C G P A G Q Y G G A V G L A R R G T A G C L P C P P W L
1 5 10 15 20 25 30
C C C C A F P A C G L P G T D G W R G W Q G S G C V R V S G
 35 40 45 50 55 60
S A P W A P G F P F S P P C P L C G T Q P R W
 65 70 75 80

SEQUENCE ID NO: 345

SEQUENCE LENGTH: 51 amino acids

L A F N V P G G L W L W A G W T V W W S C G P G E K G H G W
1 5 10 15 20 25 30
P S L P T M A L L L L R F S C M R V A S Y
 35 40 45 50

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SEQUENCE ID NO: 346

SEQUENCE LENGTH: 52 amino acids

L A F N V P G G G L W L W A G W T V W W S C G P G E K G H G
 1 5 10 15 20 25 30
 W P S L P T M A L L L L R F S C M R V A S Y
 35 40 45 50

SEQUENCE ID NO: 347

SEQUENCE LENGTH: 92 amino acids

L A F N V P G G G C G C G P A G Q Y G G A V G L A R R G T A
 1 5 10 15 20 25 30
 G C L P C P P W L C C C C A F P A C G L P G T D G W R G W Q
 35 40 45 50 55 60
 G S G C V R V S G S A P W A P G F P F S P P C P L C G T Q P
 65 70 75 80 85 90
 R W

SEQUENCE ID NO: 348

SEQUENCE LENGTH: 91 amino acids

L A F N V P G G C G C G P A G Q Y G G A V G L A R R G T A G
 1 5 10 15 20 25 30
 C L P C P P W L C C C C A F P A C G L P G T D G W R G W Q G
 35 40 45 50 55 60
 S G C V R V S G S A P W A P G F P F S P P C P L C G T Q P R
 65 70 75 80 85 90
 W

SEQUENCE ID NO: 349

SEQUENCE LENGTH: 17 amino acids

P P M P M P G Q R E A P G R Q E A
 1 5 10 15

SEQUENCE ID NO: 350

SEQUENCE LENGTH: 18 amino acids

G P P M P M P G Q R E A P G R Q E A
 1 5 10 15

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SEQUENCE ID NO: 351

SEQUENCE LENGTH: 24 amino acids

G H Q C Q C Q G K G R H R A D R R P D T A Q E E
1 5 10 15 20

SEQUENCE ID NO: 352

SEQUENCE LENGTH: 23 amino acids

H Q C Q C Q G K G R H R A D R R P D T A Q E E
1 5 10 15 20

SEQUENCE ID NO: 353

SEQUENCE LENGTH: 25 amino acids

G G H S Y G G G P P M P M P G Q R E A P G R Q E A
1 5 10 15 20 25

SEQUENCE ID NO: 354

SEQUENCE LENGTH: 26 amino acids

G G H S Y G G G G P P M P M P G Q R E A P G R Q E A
1 5 10 15 20 25

SEQUENCE ID NO: 355

SEQUENCE LENGTH: 32 amino acids

G G H S Y G G G G H Q C Q C Q G K G R H R A D R R P D T A Q
1 5 10 15 20 25 30
E E

SEQUENCE ID NO: 356

SEQUENCE LENGTH: 31 amino acids

G G H S Y G G G H Q C Q C Q G K G R H R A D R R P D T A Q E
1 5 10 15 20 25 30
E

SEQUENCE ID NO: 357

SEQUENCE LENGTH: 10 amino acids

A P C P Q S S G G G
1 5 10

SEQUENCE ID NO: 358

SEQUENCE LENGTH: 17 amino acids

L P A P S Q A A A D E L D R R P G

1 5 10 15

SEQUENCE ID NO: 359

SEQUENCE LENGTH: 18 amino acids

T K V R L I R G A P C P Q S S G G G

1 5 10 15

SEQUENCE ID NO: 360

SEQUENCE LENGTH: xx amino acids

TKVRLIRGGAPCPQSSGGG

1 5 10

SEQUENCE ID NO: 361

SEQUENCE LENGTH: 26 amino acids

T K V R L I R G G L P A P S Q A A A D E L D R R P G

1 5 10 15 20 25

SEQUENCE ID NO: 362

SEQUENCE LENGTH: 25 amino acids

T K V R L I R G L P A P S Q A A A D E L D R R P G

1 5 10 15 20 25

SEQUENCE ID NO: 363

SEQUENCE LENGTH: 45 amino acids

C S L A K D G S T E D T V S S L C G E E D T E D E E L E A A

1 5 10 15 20 25 30

A S H L N K D L Y R E L L G G

35 40 45

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SEQUENCE ID NO: 364

SEQUENCE LENGTH: 46 amino acids

G C S L A K D G S T E D T V S S L C G E E D T E D E E L E A
1 5 10 15 20 25 30
A A S H L N K D L Y R E L L G G
 35 40 45

SEQUENCE ID NO: 365

SEQUENCE LENGTH: 21 amino acids

A A A W Q K M A P P R T P R P A C V A R R
1 5 10 15 20

SEQUENCE ID NO: 366

SEQUENCE LENGTH: 54 amino acids

E N S R P K R G G C S L A K D G S T E D T V S S L C G E E D
1 5 10 15 20 25 30
T E D E E L E A A A S H L N K D L Y R E L L G G
 35 40 45 50

SEQUENCE ID NO: 367

SEQUENCE LENGTH: 55 amino acids

E N S R P K R G G G C S L A K D G S T E D T V S S L C G E E
1 5 10 15 20 25 30
D T E D E E L E A A A S H L N K D L Y R E L L G G
 35 40 45 50 55

SEQUENCE ID NO: 368

SEQUENCE LENGTH: 30 amino acids

E N S R P K R G G A A A W Q K M A P P R T P R P A C V A R R
1 5 10 15 20 25 30

SEQUENCE ID NO: 369

SEQUENCE LENGTH: 29 amino acids

E N S R P K R G A A A W Q K M A P P R T P R P A C V A R R
1 5 10 15 20 25

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SEQUENCE ID NO: 370

SEQUENCE LENGTH: 10 amino acids

H C V L A A S G A S

1 5 10

SEQUENCE ID NO: 371

SEQUENCE LENGTH: 11 amino acids

G H C V L A A S G A S

1 5 10

SEQUENCE ID NO: 372

SEQUENCE LENGTH: 28 amino acids

G T A S S R P L G L P K P H L H R P V P I R H P S C P K

1 5 10 15 20 25

SEQUENCE ID NO: 373

SEQUENCE LENGTH: 27 amino acids

T A S S R P L G L P K P H L H R P V P I R H P S C P K

1 5 10 15 20 25

SEQUENCE ID NO: 374

SEQUENCE LENGTH: 18 amino acids

A G T L Q L G G H C V L A A S G A S

1 5 10 15

SEQUENCE ID NO: 375

SEQUENCE LENGTH: 19 amino acids

A G T L Q L G G G H C V L A A S G A S

1 5 10 15

SEQUENCE ID NO: 376

SEQUENCE LENGTH: 35 amino acids

A G T L Q L G G T A S S R P L G L P K P H L H R P V P I R H

1 5 10 15 20 25 30

P S C P K

35

PCT/NO99/00143

SEQUENCE ID NO: 377

SEQUENCE LENGTH: 36 amino acids

A G T L Q L G G G T A S S R P L G L P K P H L H R P V P I R
1 5 10 15 20 25 30
H P S C P K
 35

SEQUENCE ID NO: 378

SEQUENCE LENGTH: 9 amino acids

R R T P S T E K R
1 5

SEQUENCE ID NO: 379

SEQUENCE LENGTH: 10 amino acids

R R T P S T E K K R
1 5 10

SEQUENCE ID NO: 380

SEQUENCE LENGTH: 14 amino acids

R R T P S T E K K G R S E C
1 5 10

SEQUENCE ID NO: 381

SEQUENCE LENGTH: 13 amino acids

R R T P S T E K G R S E C
1 5 10

SEQUENCE ID NO: 382

SEQUENCE LENGTH: 46 amino acids

S T T K C Q S G T A E T Y N S W K V K N L Q L E P R R V T S
1 5 10 15 20 25 30
Q M N R Q V K D M T A I L S Q S
 35 40 45

SEQUENCE ID NO: 383

SEQUENCE LENGTH: 17 amino acids

V Q P N A S Q A Q Q K P T T H G R
1 5 10 15

SEQUENCE ID NO: 384

SEQUENCE LENGTH: 54 amino acids

S S E E I K K K S T T K C Q S G T A E T Y N S W K V K N L Q
1 5 10 15 20 25 30
L E P R R V T S Q M N R Q V K D M T A I L S Q S
 35 40 45 50

SEQUENCE ID NO: 385

SEQUENCE LENGTH: 55 amino acids

S S E E I K K K K S T T K C Q S G T A E T Y N S W K V K N L
1 5 10 15 20 25 30
Q L E P R R V T S Q M N R Q V K D M T A I L S Q S
 35 40 45 50 55

SEQUENCE ID NO: 386

SEQUENCE LENGTH: 26 amino acids

S S E E I K K K K V Q P N A S Q A Q Q K P T T H G R
1 5 10 15 20 25

SEQUENCE ID NO: 387

SEQUENCE LENGTH: xx amino acids

S S E E I K K K V Q P N A S Q A Q Q K P T T H G R
1 5 10 15 20 25

SEQUENCE ID NO: 388

SEQUENCE LENGTH: 9 amino acids

N R G W V G A G E
1 5

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SEQUENCE ID NO: 389

SEQUENCE LENGTH: 4 amino acids

I E A G

1

SEQUENCE ID NO: 390

SEQUENCE LENGTH: 17 amino acids

V H N Y C N M K N R G W V G A G E

1 5 10 15

SEQUENCE ID NO: 391

SEQUENCE LENGTH: 18 amino acids

V H N Y C N M K K N R G W V G A G E

1 5 10 15

SEQUENCE ID NO: 392

SEQUENCE LENGTH: 13 amino acids

V H N Y C N M K K I E A G

1 5 10

SEQUENCE ID NO: 393

SEQUENCE LENGTH: 12 amino acids

V H N Y C N M K I E A G

1 5 10

SEQUENCE ID NO: 394

SEQUENCE LENGTH: 25 amino acids

Q L R C W N T W A K M F F M V F L I I W Q N T M F

1 5 10 15 20 25

SEQUENCE ID NO: 395

SEQUENCE LENGTH: 33 amino acids

V K K D N H K K Q L R C W N T W A K M F F M V F L I I W Q N

1 5 10 15 20 25 30

T M F

T07090-226490

SEQUENCE ID NO: 396

SEQUENCE LENGTH: 34 amino acids

V K K D N H K K K Q L R C W N T W A K M F F M V F L I I W Q
 1 5 10 15 20 25 30
 N T M F

SEQUENCE ID NO: 397

SEQUENCE LENGTH: 11 amino acids

V K K D N H K K K N S
 1 5 10

SEQUENCE ID NO: 398

SEQUENCE LENGTH: 10 amino acids

V K K D N H K K N S
 1 5 10

SEQUENCE ID NO: 399

SEQUENCE LENGTH: 35 amino acids

G A E E S G P F N R Q V Q L K V H A S G M G R H L W N C P A
 1 5 10 15 20 25 30
 F W S E V
 35

SEQUENCE ID NO: 400

SEQUENCE LENGTH: 10 amino acids

H P S P P P E K R S
 1 5 10

SEQUENCE ID NO: 401

SEQUENCE LENGTH: 11 amino acids

H P S P P P E K K R S
 1 5 10

101099-22012500

SEQUENCE ID NO: 402

SEQUENCE LENGTH: 44 amino acids

H P S P P P E K K G A E E S G P F N R Q V Q L K V H A S G M
1 5 10 15 20 25 30
G R H L W N C P A F W S E V
 35 40

SEQUENCE ID NO: 403

SEQUENCE LENGTH: 43 amino acids

H P S P P P E K G A E E S G P F N R Q V Q L K V H A S G M G
1 5 10 15 20 25 30
R H L W N C P A F W S E V
 35 40

SEQUENCE ID NO: 404

SEQUENCE LENGTH: 39 amino acids

M Q V L S K T H M N L F P Q V L L Q M F L R G L K R L L Q D
1 5 10 15 20 25 30
L E K S K K R K L
 35

SEQUENCE ID NO: 405

SEQUENCE LENGTH: 8 amino acids

R C K S A R L I
1 5

SEQUENCE ID NO: 406

SEQUENCE LENGTH: 48 amino acids

V Q T Q P A I K K M Q V L S K T H M N L F P Q V L L Q M F L
1 5 10 15 20 25 30
R G L K R L L Q D L E K S K K R K L
 35 40 45

PCT/NO99/00143

SEQUENCE ID NO: 407

SEQUENCE LENGTH: 49 amino acids

V Q T Q P A I K K K M Q V L S K T H M N L F P Q V L L Q M F
1 5 10 15 20 25 30
L R G L K R L L Q D L E K S K K R K L
 35 40 45

SEQUENCE ID NO: 408

SEQUENCE LENGTH: 17 amino acids

V Q T Q P A I K K R C K S A R L I
1 5 10 15

SEQUENCE ID NO: 409

SEQUENCE LENGTH: 16 amino acids

V Q T Q P A I K R C K S A R L I
1 5 10 15

SEQUENCE ID NO: 410

SEQUENCE LENGTH: 11 amino acids

A R S G K K Q K R K L
1 5 10

SEQUENCE ID NO: 411

SEQUENCE LENGTH: 12 amino acids

A R S G K K Q K K R K L
1 5 10

SEQUENCE ID NO: 412

SEQUENCE LENGTH: 13 amino acids

A R S G K K Q K K E N S F
1 5 10

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SEQUENCE ID NO: 413

SEQUENCE LENGTH: 12 amino acids

A R S G K K Q K E N S F

1 5 10

SEQUENCE ID NO: 414

SEQUENCE LENGTH: 14 amino acids

K A S A R S G K S K K R K L

1 5 10

SEQUENCE ID NO: 415

SEQUENCE LENGTH: 15 amino acids

K A S A R S G K K S K K R K L

1 5 10 15

SEQUENCE ID NO: 416

SEQUENCE LENGTH: 16 amino acids

K A S A R S G K K A K K E N S F

1 5 10 15

SEQUENCE ID NO: 417

SEQUENCE LENGTH: 15 amino acids

K A S A R S G K A K K E N S F

1 5 10 15

SEQUENCE ID NO: 418

SEQUENCE LENGTH: 15 amino acids

H L N K G R R L G D K I R A T

1 5 10 15

005197250-200000

SEQUENCE ID NO: 419

SEQUENCE LENGTH: 23 amino acids

V T S G T P F F H L N K G R R L G D K I R A T
1 5 10 15 20

SEQUENCE ID NO: 420

SEQUENCE LENGTH: 24 amino acids

V T S G T P F F F H L N K G R R L G D K I R A T
1 5 10 15 20

SEQUENCE ID NO: 421

SEQUENCE LENGTH: 10 amino acids

V T S G T P F F F I
1 5 10

SEQUENCE ID NO: 422

SEQUENCE LENGTH: 9 amino acids

V T S G T P F F I
1 5

SEQUENCE ID NO: 423

SEQUENCE LENGTH: 51 amino acids

V T L L Y V N T V T L A P N V N M E S S R N A H S P A T P S
1 5 10 15 20 25 30
A K R K D P D L T W G G F V F F F C Q F H
 35 40 45 50

F01090-24012900

SEQUENCE ID NO: 424

SEQUENCE LENGTH: 60 amino acids

K C R C K P N F F V T L L Y V N T V T L A P N V N M E S S R
1 5 10 15 20 25 30
N A H S P A T P S A K R K D P D L T W G G F V F F F C Q F H
 35 40 45 50 55 60

SEQUENCE ID NO: 425

SEQUENCE LENGTH: 61 amino acids

K C R C K P N F F F V T L L Y V N T V T L A P N V N M E S S
1 5 10 15 20 25 30
R N A H S P A T P S A K R K D P D L T W G G F V F F F C Q F
 35 40 45 50 55 60
H

SEQUENCE ID NO: 426

SEQUENCE LENGTH: 10 amino acids

K C R C K P N F F L
1 5 10

SEQUENCE ID NO: 427

SEQUENCE LENGTH: 9 amino acids

K C R C K P N F L
1 5

SEQUENCE ID NO: 428

SEQUENCE LENGTH: 9 amino acids

S L V R L S S C V
1 5

T07099-02642900

SEQUENCE ID NO: 429

SEQUENCE LENGTH: 14 amino acids

L V K K L K E K K M N W I L

1 5 10

SEQUENCE ID NO: 430

SEQUENCE LENGTH: 15 amino acids

L V K K L K E K K K M N W I L

1 5 10 15

SEQUENCE ID NO: 431

SEQUENCE LENGTH: 10 amino acids

L V K K L K E K K R

1 5 10

SEQUENCE ID NO: 432

SEQUENCE LENGTH: 9 amino acids

L V K K L K E K R

1 5

SEQUENCE ID NO: 433

SEQUENCE LENGTH: 9 amino acids

A A I V K D C C R

1 5

SEQUENCE ID NO: 434

SEQUENCE LENGTH: 11 amino acids

S Q P A S I L G R K L

1 5 10

SEQUENCE ID NO: 435

SEQUENCE LENGTH: 12 amino acids

S Q P A S I L G K R K L

1 5 10 15

101050-22042900

SEQUENCE ID NO: 436

SEQUENCE LENGTH: 18 amino acids

S Q P A S I L G K A A I V K D C C R
1 5 10 15

SEQUENCE ID NO: 437

SEQUENCE LENGTH: 17 amino acids

S Q P A S I L G A A I V K D C C R
1 5 10 15

SEQUENCE ID NO: 438

SEQUENCE LENGTH: 18 amino acids

K S L V R L S S C V P V A L M S A M
1 5 10 15

SEQUENCE ID NO: 439

SEQUENCE LENGTH: 9 amino acids

R L S S C V P V A
1 5

SEQUENCE ID NO: 440

SEQUENCE LENGTH: 9 amino acids

V R L S S C V P V
1 5

SEQUENCE ID NO: 441

SEQUENCE LENGTH: 9 amino acids

L V R L S S C V P
1 5

SEQUENCE ID NO: 442

SEQUENCE LENGTH: 9 amino acids

S C V P V A L M S
1 5

436 437 438 439 440 441 442

SEQUENCE ID NO: 443

SEQUENCE LENGTH: 9 amino acids

S S C V P V A L M

1 5

SEQUENCE ID NO: 444

SEQUENCE LENGTH: 9 amino acids

L S S C V P V A L

1 5

SEQUENCE ID NO: 445

SEQUENCE LENGTH: 9 amino acids

V P V A L M S A M

1 5

SEQUENCE ID NO: 446

SEQUENCE LENGTH: 9 amino acids

C V P V A L M S A

1 5

SEQUENCE ID NO: 447

SEQUENCE LENGTH: 9 amino acids

K K K S L V R L S

1 5

SEQUENCE ID NO: 448

SEQUENCE LENGTH: 9 amino acids

E K K K S L V R L

1 5

SEQUENCE ID NO: 449

SEQUENCE LENGTH: 9 amino acids

K E K K K S L V R

1 5

101090 E2012960

SEQUENCE ID NO: 450

SEQUENCE LENGTH: 9 amino acids

M K E K K K S L V

1 5

SEQUENCE ID NO: 451

SEQUENCE LENGTH: 9 amino acids

I M K E K K K S L

1 5

SEQUENCE ID NO: 452

SEQUENCE LENGTH: 9 amino acids

K C I M K E K K A

1 5

SEQUENCE ID NO: 453

SEQUENCE LENGTH: 9 amino acids

C I M K E K K A W

1 5

SEQUENCE ID NO: 454

SEQUENCE LENGTH: 9 amino acids

C I M K E K K K A

1 5

SEQUENCE ID NO: 455

SEQUENCE LENGTH: 9 amino acids

I M K E K K K A W

1 5

SEQUENCE ID NO: 456

SEQUENCE LENGTH: 13 amino acids

H P S W P W T R C L R M R

1 5 10

00492-2264290

SEQUENCE ID NO: 457

SEQUENCE LENGTH: 14 amino acids

R H P S W P W T R C L R M R

1 5 10

SEQUENCE ID NO: 458

SEQUENCE LENGTH: 16 amino acids

G A S G C V H Q E A E R V S Q A

1 5 10 15

SEQUENCE ID NO: 459

SEQUENCE LENGTH: 20 amino acids

N T W A K M F F M V F L I I W Q N T M F

1 5 10 15 20

P01099-24012960